

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

10868 U.S. PTO  
09/886029  
06/22/01

Attorney Docket No. 06192.0202.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Jin-Ho PARK, et al.**For: **SHIFT REGISTER AND DRIVING CIRCUIT OF LCD USING THE SAME**

Enclosed is a new application comprising:

- ☒ A specification containing: 13 pages of description prior to the claims; 6 pages of claims (**20 claims**); a one (1) page abstract; 5 sheets of drawings (**Figures 1, 2, 3, 4 and 5**)
- ☒ PTO SB/05

The filing fee has been calculated as shown below:

| (Col. 1)  |           |           | (Col. 2) |         | SMALL ENTITY |    | OTHER THAN A<br>SMALL ENTITY |           |
|---|-----------|-----------|----------|---------|--------------|----|------------------------------|-----------|
| FOR   | NO. FILED | NO. EXTRA |          | RATE    |              | OR | RATE                         | FEE       |
| BASIC FEE   |           |           |          |         | \$ 345.00    | OR |                              | \$ 710.00 |
| TOTAL CLAIMS  | 20-20 =   | *         | 0        | x 9 =   |              | OR | x 18 =                       | 0         |
| INDEP. CLAIMS   | 4-3 =     | *         | 1        | x 39 =  |              | OR | x 80 =                       | 80.00     |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED |           |           |          | + 130 = |              | OR | + 270 =                      |           |
|   |           |           |          | TOTAL   |              | OR | TOTAL                        | \$790.00  |

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

- ☒ A check in the amount of \$790.00 to cover the filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0202.NPUS00. *A copy of this sheet is enclosed.*
- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date June 22, 2001

*David J. Ben* (44,483)  
FOR Michael J. Ben  
Registration No. 39,604

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (2/98)  
Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |  |  |  |
|---|--|--|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(h))</small> |  | Attorney Docket No. 06192.0202.NPUS00                          |  |
|   |  | First Named Inventor or Application Identifier Jin-Ho PARK     |  |
|   |  | Title Shift Register And Driving Circuit Of LCD Using The Same |  |
|   |  | Express Mail Label No.   |  |

  

|   |   |
|---|---|
| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents</small> | <b>ADDRESS TO:</b> Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231 |
|---|---|

  

|  |   |
|--|---|
| <p>1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082)<br/><small>(Submit an original and a duplicate for fee processing)</small></p> <p>2. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages 20 ]</span><br/><small>(preferred arrangement set forth below)</small><br/>- Descriptive title of the Invention<br/>- Cross References to Related Applications<br/>- Statement Regarding Fed sponsored R&amp;D<br/>- Reference to Microfiche Appendix<br/>- Background of the Invention<br/>- Brief Summary of the Invention<br/>- Brief Description of the Drawings (if filed)<br/>- Detailed Description<br/>- Claims<br/>- Abstract of the Disclosure</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) <span style="float: right;">[Total Sheets 5 ]</span></p> <p>4. Oath or Declaration <span style="float: right;">[Total Pages 3 ]</span><br/><br/>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br/>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><small>(for continuation/divisional with Box 17 completed)</small><br/><small>[Note Box 5 below]</small><br/>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br/><small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></p> <p>5. <input type="checkbox"/> Incorporation By Reference <small>(useable if Box 4b is checked)</small><br/><small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small></p> | <p>6. <input type="checkbox"/> Microfiche Computer Program <small>(Appendix)</small></p> <p>7. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small><br/>a. <input type="checkbox"/> Computer Readable Copy<br/>b. <input type="checkbox"/> Paper Copy (identical to computer copy)<br/>c. <input type="checkbox"/> Statement verifying identity of above copies</p> |
|--|---|

  

|  |  |
|--|--|
| <b>ACCOMPANYING APPLICATION PARTS</b>  |  |
| 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><small>(when there is an assignee)</small><br>10. <input type="checkbox"/> English Translation Document <small>(if applicable)</small><br>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>12. <input type="checkbox"/> Preliminary Amendment<br>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two)<br><small>(should be specifically itemized)</small><br>14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired<br>15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br><small>(if foreign priority is claimed)</small><br>16. <input type="checkbox"/> Other: |  |

  

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

  

|   |                            |
|---|----------------------------|
| <b>17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:</b>                           |                            |
| <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) | of prior application No: / |
| Prior Application Information: Examiner: Group/Art Unit:  |                            |

  

|   |                                  |
|---|----------------------------------|
| <b>18. CORRESPONDENCE ADDRESS</b>   |                                  |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label 22930 <span style="float: right;">or <input type="checkbox"/> Correspondence address below</span><br><small>(Insert Customer No. or Attach bar code label here)</small> |                                  |
| NAME  | Michael J. Bell                  |
|   | HOWREY SIMON ARNOLD & WHITE, LLP |
| ADDRESS   | Box No. 34                       |
|   | 1299 Pennsylvania Avenue, N.W.   |
| CITY  | Washington                       |
| STATE   | DC                               |
| ZIP CODE  | 20004-2402                       |
| COUNTRY   | US                               |
| TELEPHONE   | 202-783-0800                     |
| FAX   | 202-383-7195                     |
| Name (Print/Type)   | Michael J. Bell                  |
| Registration No. (Attorney/Agent)   | 39,604                           |
| Signature   | <i>David J. Bell</i> (44483)     |
| Date  | June 22, 2001                    |



1299 PENNSYLVANIA AVE., NW  
WASHINGTON, DC 20004-2402  
PHONE 202.783.0800  
FAX 202.383.6610  
A LIMITED LIABILITY PARTNERSHIP

June 22, 2001

**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **SHIFT REGISTER AND DRIVING CIRCUIT OF  
LCD USING THE SAME**  
Inventors: **Jin-Ho PARK, et al.**  
Our Ref: **06192.0202.NPUS00**

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**SHIFT REGISTER AND DRIVING CIRCUIT OF LCD USING  
THE SAME**

and naming as inventors: **Jin-Ho PARK  
Dong-Won PARK  
Oh-Jong KWON**

the application consisting of:

- a. A specification containing:
    - (i) 13 pages of description prior to the claims;
    - (ii) 6 pages of claims (**20** claims);
    - (iii) a **one** (1) page abstract;
  - b. 5 sheets of drawings: (**Figures 1, 2, 3, 4 and 5**);
4. Executed Combined Declaration-Power Attorney;
  5. Executed Assignment and PTO 1595 Assignment Recordation Sheet



5. Claim for Priority and certified copy of Korean Patent No. 2000-40942 filed July 18, 2000;
6. Check No. 353900 in the amount of \$790.00 and Check No. 353901 in the amount of \$40.00 to cover the following Fees

|          |  |
|----------|--|
| \$790.00 | Basic Application Filing and Extra claims Fees |
| \$ 40.00 | Assignment Recordation Fee                     |
7. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0202.NPUS00. *A copy of this letter is enclosed.*

Respectfully submitted,

*David J. Bell (44,483)*

*For* Michael J. Bell  
Registration No. 39,604

Enclosures